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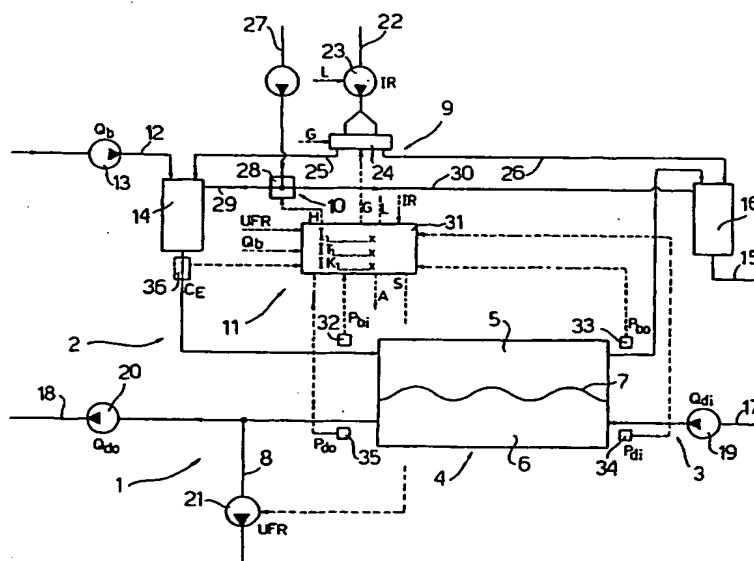


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(57) Abstract: A Dialysis machine comprises: an extracorporeal blood circuit having an arterial pipe (12) and a venous pipe (15) respectively connected to an inlet and an outlet of a blood compartment (5) of a filter (4) having a blood compartment (5) and a dialysis liquid compartment (6) separated by a semi-permeable membrane (7); means (31) for determining a sequence of infusion of a liquid in the extracorporeal blood circuit, from at least one characteristic value (FF,  $TMP_{re}$ ,  $K_{uf}$ ) correlated with the concentration of the blood ( $C_E$  and/or a filtration efficiency of the filter (4); and means for infusing the infusion solution in the arterial pipe (12) and in the venous pipe (15) in accordance with the determined infusion sequence.